

Programmieren Tutorium 5 – Widerholung

Institut für Theoretische Informatik



Inhalt



Aufgabe

Sichtbarkeiten



Sichtbarkeit	Wirkung
public	Für alle sichtbar
	Für alle innerhalb des gleichen package sichtbar
protected	Nur für "verwandte" sichtbar
private	Nur innerhalb der Klasse sichtbar

Tipps



```
img.getMinY();
img.getHeight();
new Color(img.getRGB(x, y));
img.setRGB(x, y, color.getRGB());
```

Aufgabe



```
for each y from top to bottom
  for each x from left to right
    oldpixel := pixel[x][y]
    newpixel := find_closest_palette_color(oldpixel)
    pixel[x][y] := newpixel
    quant_error := oldpixel - newpixel
    pixel[x+1][y] := pixel[x+1][y] + 7/16 * quant_error
    pixel[x-1][y+1] := pixel[x-1][y+1] + 3/16 * quant_error
    pixel[x][y+1] := pixel[x][y+1] + 5/16 * quant_error
    pixel[x+1][y+1] := pixel[x+1][y+1] + 1/16 * quant_error
```

Ende





PLAYS A LOUD ALERT SOUND WHEN THERE IS A TORNADO WARNING FOR YOUR AREA.

RATING: ****

USER REVIEWS:

MANY ALERT CHOICES.

**** RUNNING GREAT, NO CRASHES

CAN SET MUCTIFIE LOCATIONS

*AAAAA APP DID NOT WARN ME ABOUT TORNADO.

THE PROBLEM WITH AVERAGING STAR RATINGS